

# LINEA® 1.5"

## INTERNATIONAL LINEAR DIRECT/INDIRECT LED

### APPLICATIONS:

Commercial and retail direct/indirect ambient lighting

### CONSTRUCTION:

One piece extruded aluminum housing  
Internal components are die-formed galvanized and cold-rolled steel  
Individual housing lengths are 1213 mm or 2419 mm  
Continuous rows can be provided to the nearest foot  
High reflectance white finish. For other finishes, consult factory

### MOUNTING:

Aircraft cable suspension or wall mount option  
Fixtures may be continuously row-mounted or configured in a pattern, consult factory  
Fixture placement: 18" minimum from ceiling to top of fixture

### LABELING:



For indoor use only

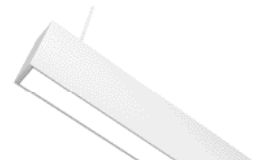
### OPTICS:

5w/ft or 10w/ft for direct component  
5w/ft or 10w/ft for uplight component  
Die-formed high reflectance white enamel reflector  
Batwing uplight component  
**Lens:** 100% extruded acrylic lens with custom formulation for lamp image diffusion and maximum light transmission. Flush mount snap-in installation. Clear lens cover or batwing lens for uplight  
**Louver (optional):**  
Straight blade louver, 13 mm high, 13 mm o.c., with overlay.

### ELECTRICAL:

Electronic, multi-volt (220v-240v) constant current driver  
0-10v dimming standard  
**This product complies with IEEE C62.41 for surge endurance up to 3KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge damage is not covered by warranty.**  
**Emergency circuit via remote inverter or auxiliary emergency power supply (by others)**

I-LIN1.5-DI  
LED

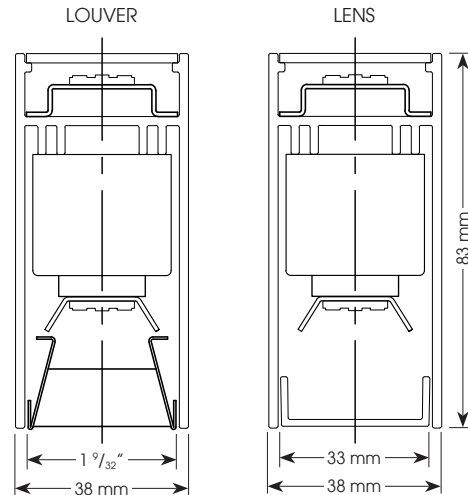
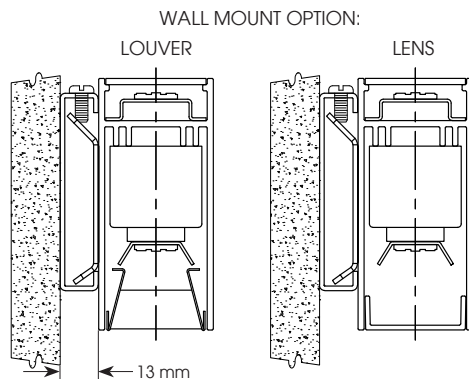


PROJECT:

TYPE:



Electrostatic sensitive device,  
observe precautions for  
handling



ASYMMETRIC LENS:

For Asymmetric distribution this should be opposite the wall

### ELECTRICAL

Electronic driver

Wattage per foot		4'		8'	
		System watts	Amps	System watts	Amps
5/5	220v	35.1	.16	70.2	.32
	240v	35.1	.15	70.2	.29
10/10	220v	70.3	.32	140.6	.64
	240v	70.3	.29	140.6	.59

### ORDERING INFORMATION:

Model	Light Distr./Shielding (select 1 from each list)	Mounting	Circuiting	Wattage (D/I)	Lamp Type	Color Temp	Finish	Voltage	Length*	Configuration	Listing Code
I-LIN1.5-DI	<b>DIRECT:</b> LD - lens direct SLD - straight blade louver direct with overlay, specify color: B (blk), S (slv), W (wh) ASY - asymmetric lens <b>INDIRECT:</b> BAT - batwing uplight	ASW10 - aircraft cable with straight feed, (18ga., 5 conductor), white, 10' WM - wall mount	1 - single circuit 2 - up/dn switch separately	5/5 10/10 10/5	LED	2700 3000 3500 4000	HW - high reflectance white ____ - _____ (other RAL)	220-240	4 8 _____ (run to nearest foot)*	IND - individual BOR - beginning of run MOR - middle of run EOR - end of run	CE

\*Note - For 10w fixtures - Due to driver limitations, not all output & length configurations are possible. Please consult factory.

Example: I-LIN1.5-DI-LD-BAT-ASW10-2-5/5-LED-3500-HW-240-4-IND-CE

Cat #:

Amerlux reserves the right to change details that do not affect overall function and performance.

# LINEA® 1.5"

INTERNATIONAL LINEAR DIRECT/INDIRECT LED

I-LIN1.5-DI  
LED



TYPE:

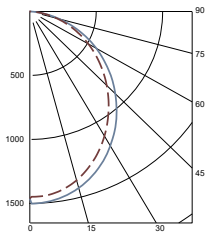


**FIXTURE DATA:** For 5w data, multiply by 0.53

## LINEA 1.5" DIRECT PERFORMANCE LENS

10W 3500K 4FT  
Total Watts: 37; Total Lumens: 3691  
Source: 96 White led's

LTL# 14664757.01



### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1759	47.7
0-60	2984	80.8
0-90	3691	100.00
90-180	0	0.00

**Efficacy = 101.1 Lumens/Watt**

### COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 20%

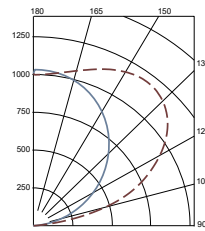
RC	80			
	70	50	30	10
RW				
RCR				
0	119	119	119	119
1	109	105	100	97
2	100	92	85	79
3	91	81	73	66
4	83	72	63	57
5	77	64	55	49
6	71	58	49	43
7	66	53	44	38
8	62	48	40	34
9	58	44	36	31
10	54	41	33	28

Note: Values expressed as percent of total lumen output delivered to the task surface.

## LINEA 1.5" INDIRECT BATWING LENS

10W 3500K 4FT  
Total Watts: 34; Total Lumens: 3948  
Source: 88 White led's

LTL# 14664757.06



### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	0	0.0
0-60	0	0.0
0-90	0	0.0
90-180	3948	100.0

**Efficacy = 116.9 Lumens /Watt**

### COEFFICIENTS OF UTILIZATION

Effective Floor Cavity Reflectance 20%

RC	80			
	70	50	30	10
RW				
RCR				
0	95	95	95	95
1	87	83	79	76
2	79	72	66	62
3	72	63	57	51
4	65	56	48	43
5	60	49	42	36
6	55	44	36	31
7	50	39	32	27
8	47	35	28	23
9	43	32	25	20
10	40	29	22	18

Note: Values expressed as percent of total lumen output delivered to the task surface.

# LINEA® 1.5"

INTERNATIONAL LINEAR DIRECT/INDIRECT LED

I-LIN1.5-DI  
LED



TYPE:

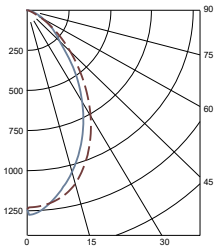


**FIXTURE DATA:** For 5w data, multiply by 0.53

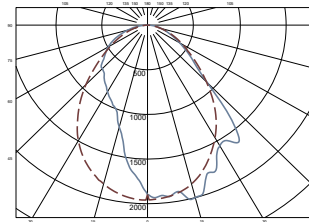
LINEA 1.5" STRAIGHT BLADE LOUVER (SLV)  
10W 3500K 4FT  
Total Watts: 37; Total Lumens: 1584  
Source: 96 White led's

LINEA 1.5" ASYMMETRIC LENS  
10W 3500K 4FT  
Total Watts: 37; Total Lumens: 4046  
Source: 96 White led's

LTL# 14664757.05



LTL# 14664757.02



**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixt
0-40	1129	71.3
0-60	1502	94.8
0-90	1584	100.00
90-180	0	0.00

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixt
0-40	2048	50.6
0-60	3358	83.0
0-90	4046	100.00
90-180	0	0.00

**Efficacy = 43.5 Lumens /Watt**

**Efficacy = 110.8 Lumens /Watt**

COEFFICIENTS OF UTILIZATION  
Effective Floor Cavity Reflectance 20%

RC	80			
	70	50	30	10
RW				
RCR				
0	119	119	119	119
1	112	109	106	103
2	105	99	94	89
3	98	90	84	79
4	91	82	75	70
5	86	75	68	63
6	80	70	62	57
7	75	64	57	52
8	71	60	53	48
9	67	56	49	44
10	63	52	45	41

Note: Values expressed as percent of total lumen output delivered to the task surface.

COEFFICIENTS OF UTILIZATION  
Effective Floor Cavity Reflectance 20%

RC	80			
	70	50	30	10
RW				
RCR				
0	119	119	119	119
1	110	105	101	97
2	100	92	86	81
3	92	82	74	68
4	85	73	65	58
5	78	66	57	51
6	72	60	51	45
7	67	54	46	40
8	63	50	41	36
9	59	46	38	32
10	55	42	35	30

Note: Values expressed as percent of total lumen output delivered to the task surface.